

## Patent Abstracts of Japan

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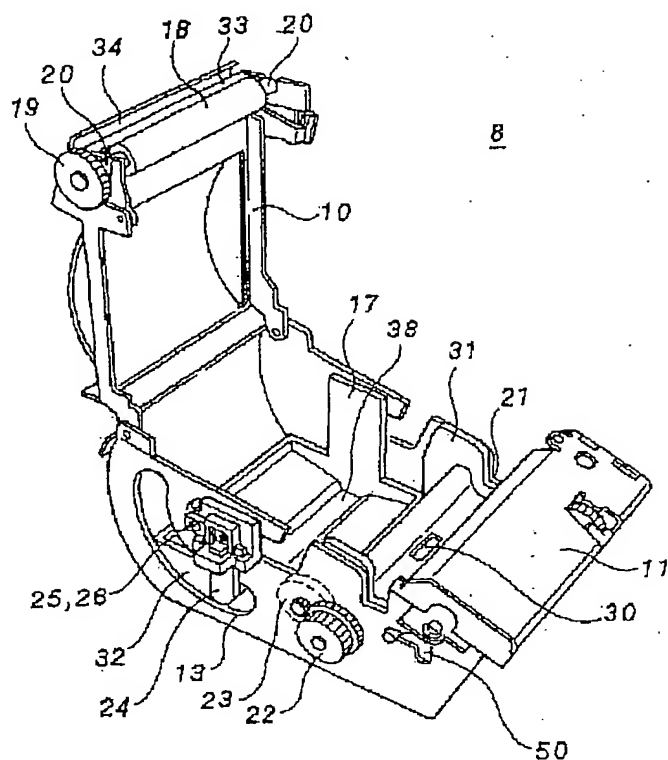
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TITLE : PRINTER



**ABSTRACT** **PROBLEM TO BE SOLVED:** To maintain a printing roll paper in a stable condition under a simple configuration even when a printer is installed at a varying angle, and make it possible to accurately detect the near end of the roll paper.

**SOLUTION:** A roll paper holder 17 for storing a roll paper is installed, in a freely rotatable manner, on a main body frame 13. In addition, a near end detector 24 which detects the fact that the remaining amount of the roll paper is below a specific level by detecting whether a probe is already trapped in the space part of a winding core of the roll paper, is arranged on the roll paper holder 17. Thus it is possible to accurately detect the near end of the roll paper by rotating the roll paper holder 17 instead of depending upon the installation angle of a printer.

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